COLUMBIA UNIVERSITY LIBRARIES Spec Ms Coll Tesla Tesla, Wikola Tesla Witrates Company. n.p., n.d., t.ms., 6 p. (with copious holograph notes by Tesla) 21380E

## PROSPECTUS FOR MR. TESLA HITRATES COMPANY.

have formed the basis of so many more recent practical applications of electricity, and which by

the another in all the great control of the maid, in all the fixation of a tmospheric nitrogen, in the clamately with the oxygen of the another than the oxygen of the oxygen oxygen

tremendous value and wide-reaching influence, bids fair to outrank many times his wonderful invention of the alternating current motor.

rirat that his high-frequency electric discourgers in the atmosphere give in a much more effective degree a possition of combinations; a stress which brings about this most difficult of combinations; a stress which all workers in this rield have recognized for years as being one which not only must be of tremendous power, but of almost infinite suddenness. The time of the workers in this field, has, by Mr. Teslar's invention, been almost entirely removed as an objection.

Special Mr. Toolale mendion of obtaining phonomers of most consists dimensions enables him to the military of water the state of most consists dimensions enables him to

255

the per recognises the summerse possibilities of such a defertible, and som as article published a few years ago to water the starting prediction that the see when The electric fix about of atmospheric hetrogen, would before long develop into an industry real to that if in importable, It their hellower thing her been down lowered commercial exploitation. How have no his foresight is blends by the fact that in Orions countries asterness blends to wind len made. In Howay sheet the complete some son presidentes willender Lorupour and frenches 120000 to be but about supper in the unperty of these sandarlakeny in and houself and the sandardakeny in and houself method and appareles suliliving , no more ther de few percer first cost so great to the pulment and maintenence charge, have rendered the business resident of watered and maintenence charge, have rendered the business resident or turning of Amorphise his brogen to officeed ver nowwelly if he light us of discharges which hour compounds per acre per year, an enormous amonal When considering their accreedy at This high afficuring is due to the greet power, sinddenness, beagh and volume of . The diddays of and instead cooling toulding there from the new the Track Transformer of maker is forget for the situation of the manual of the Teste Situation of the maker is forget for the situation of the Market of the Mark electrical effects of wishally wal willed porter surpring over how of lightning on the celler Factor currents at here the peculiar trypetty or in-called tasks currents as soffies of Nilrogen , coming the gen to combine with a lever expenditure of energy.

4

attenuated are so necessary for the highest efficiency.

Third, by virtue of the peculiar nature of Mr. Tesla's transformer, he is enabled to produce a certain tonnage of product with such a small emount of apparatus and a consequently reasonable investment as to multiply a thousand fold, the especity efficiency of his plant wis item is of vast importance in connection with this subject. Early experimenters have produced nitric acid from the atmosphere and there are now some very large plants ongo sed in this industry exemperation larly in Forway, that Involves upwards of \$50,000,000, and which will absorb some 200,000 horse power to it is fully expended, but without exception all these efforts have resulted in a first cost of apparental co great that the interest and maintenance clans thereof puts a fixed sings upon each ton of the product that he herotofore rendered the business indifferently staroutive to capital. Ignering, there for the moment, the increased efficiency claimed by the Toole, or his novel method of burning the atmosphere and sometime that his devices are applied to the process the commerce advantages secured will be used to be used to be successful. advantages genered will still be unch as to make the analy appropriate from \$100 per sold of the had of the start of the simply appropriate to make the process of the per sold of the process of the per surface of the start 4. The surie acid and is, each then prepared are of great purily and selle or impurity to the selle of the se August Charge of investment of the or putput becomes. If The operation of those plants, 1410 11058 of 10050require but little labor, There There is no enerties

with & Their insomeone the suddenness one removes one greek abolestie while has to maderially makes frid will the success of the old method and applicated. & Token Means for generaling enormous Delluce brewours with apperelos of the firms of ments de processons serester . The production of dist charges of or great length Dit volume so received he higher efficiency. All the start tomble by operate world, of any desired side and then marine an houseast folice the effectiveness of the place the Teste appeared may be bitened be larbere russing of a stapendous speed, this that we The some suployed it compareble to de some performence the letter is everpopusel have cumbersome and expensive. The and soing the soing of the contract and the same his of vilet importance h illustrale, and that divegerding XX (other wile)

part of the plans subject to repid defenoration in fact, most of it in good for one hundred record to consists principally of brick buildings, transformers, brick or tile combinetion chambers and acuinding noward on their controlect. The process is a continuous one and once started requires no manuel continuing to burn the atmosphere into nitric fumes, which in turn combine with water to make nitric acid, and this goes on until the commis current is switched off, and immediately recommences when the current is switched on. There is no loss upon the discontinuing of the process for an hour, a day, a month or a year, except that due to plant lying idle and carrying its track of interest. It is obvious, therefore, that it only rame in to obtain the et a quariciantly by the use of this revolutions process a rest reasonable to make an almost the industry of this with a very reasonable investment of capital yielding annually a return many times the first cost.

The Tesla Nitrates Company owns the exclusive rights under the United States patents granted to Tesla applicable to the manufacture of nitrates from the atmosphere, which are the following: If wie do own any and the shall be made, relative

to this subject , and we get the lanefit of his anistance and advice. Et is proposed to immediately make a demonstration of R en the compercial modified in the immediate vicinity of New York

City, where experts and investors may see for themselves the practical application of the inventions, in a fully for the select of their selections In me bing this book, it Tesla will have at his , apparatus. disposed, a plant that her already cost over \$200,000, a large part of which will be invedictely available: KIt is estimated that the deal division an expenditure of \$25,000 for the will be emple to meet

ishing of the additional apparatus, partly for attendance and the expense of the connection. In dealed the plant one seems the applied purpose of the very full and exhausted demonstration which it is proposed to be made. foris to their application in the large scale enlarghable). XXXX Exp Teste is now devoting huncle to The perfection of places for made longe placedin hery entoted in this and & - we have freshold enqueer , who have the try to by the a boy experience in the fixeline of Ni troper by the old nelled and is thorought formition with all and parting he the acceptable and selve of the forduces, In the new home XX

## PROSPECTUS FOR MR. TESLA) NITRATES COMPANY.

have formed the basis of so many have formed the basis of so many have formed the basis of so many have been practical applications of electricity, and which by the world-wide recognition have given this terrories and a field of electricity was a source of electricity.

free for the fixation of a tmospheric nitrogen, in in other words, the fixation of a tmospheric nitrogen, in in other words, for the

tremendous value and wide-reaching influence, bids fair to outrank many times his wonderful invention of the alternating current motor.

Rirat that his high-frequency electric dischargers in the atmosphere give in a much more effective degree a posultar electric chemical stress, which brings about this most difficult of combinations; a stress which all Workers in this itsid have recognized for years as being one which not only must be of tramendous power, but of almost infinite suddenness. The time electrically interferred with the success of other workers in this field, has, by Mr. Tesla's invention, been almost outled the success of other workers in this field, has, by Mr. Tesla's invention, been

Specky live Postale gaselier monage of obtaining phonomtoolly high webbages (wanting into the militons of voice) from
specker of meet movement dimensions enclose his to obtain the state.

Childreng strift. It

the person the summence provibilities of such a deferible, and sie as asked published a few years ago te pade the starting prediction the the the electric fix about of at most price helings would be before long develop into an indastry real , by they of in suportaine, It this hate asthing here been down boards commercial applotation. And have not his foresight to bout here been sustalled some and production with the best sulfering to any forward and broader to any formation and the appropriate the standard there there are any to any formation and the standard to any formation method and apparelas substituting , no more then de for price first cost so great the subscript and a intenence clarges have rendered the business will be firstly advaction to capital. of the current, and willing forface en l'effected seonomically is trained by light us of discharges which precipilale from four to hearly founds of sitrigen hour compounds per acre per year, an enormous amonal When considering heir exercedy sol, This high afflewing is due to the great power, anddenness, leagh and walnum of the disharges and instell cooling toulding berefin the new from process property the Took xiheles Compay. & The "Toole Trenspormer" and the protection of even how of lightning or his her dearnshile in which exercises of the frequency of the celled tasker currents as have the feculiary tropally for according the dovineal office sifter of tilrogent coming the ger to combine me lever saparditure of everys. XXXXX

attenuated are so necossar; for the drighest efficiency.

... Third, by virtue of the peculiar nature of Mr. Tesla's transformer, he is enabled to produce a certain tennage of product with such a small amount of apparatus and a consequently reasonable investment as to multiply a thousand fold, the capacity efficiency of his plant. This item is of vast importance in connection with this subject. Many experimenters have moduced nitric acid. from the atmosphere and there are now some very large plants engaged in this industry, encountrioularly in Horney, that involves, upwards of \$50,000,000, and which will absorb some 200,000 horse. power then it is fully expanded, but without exception all these efforts have resulted in a first cost of apparatul so great that the interest and maintenance alone thereof puts a fixed charge upon each ton of the product that has harotofore rendered the business indifferently attractive to capital. Ignering, there for the moment, the increased efficiency claimed by Mr. Socie, or his novel method of burning the atmospherogrand south ealy that he shall burn it as it has been done before by actuated the his devices are applied to the old process, the conversell advantages secured will still be sail as I make the success apparatus from \$100 per ton of section to \$8 or loss it simply
of the proper chockey carloss explained to the had of a recorded price to
permit no to get power the citifial on the responsible price to make

for the property of the property of all the permitted and he floor instead of corting 80-100 dellar for he of annual freduct, will and each for an and 1 to solte land all altrates property three from the atmosphere corresponding a expendition of eight dollars, or bor . From the and and the state of the state of the part of the part of the state of The public acid and it seeks has preferred are of great purify and seek or the state of any printer of and seek or the state of any purify and seek or the state of the seek o A DE III charge al investment of for or (180 per on of putsuch an unlittelione put becomes. A The operation of these plants, 14th wiss of hydre-There is no enchis colotria installativa require but little labor,

& Their endancementale desiglationes one grest abolastic stick ( him too Bradesically making pareled with the success of the old mathered and applicages A. y Foster Acean for generaling enormous electrice breamer with apparelas of the period of mente dispersions seculation the production of dies charges of or great lings sol wolven to research the highest efficiency. Holog Rein week with fomble be gette world, of any desired side and then marine an Prosecule fold the effectiveness of the plants. The Took appendix may be bileved the turbine successing of a stapandous speed, thise that the The some willinger as compareble to de some performence he leller is everpopused sore cumbersome and expensive. and the second estate the same I This his af wild importance to The enterprise reducing as it does to a min illustrale , - women that diregarding XX ( other side )

part de plus subject to rapid deliveration in fact, most of it in good for one kunled game, and to consists principally of brick buildings, transfermers, brick or tile combisetian charbars and aquipping powers or their equipolant. The process is a continuous one and once started requires no manuel clashed electrical state of the strong to burn the atmosphere into nitric fumes, which in turn combine with water to make nitric acid, and this goes on until the chartes current is switched off, and immediately recommences when the carrent is want switched on. # There is no loss upon the discontinuing of the process for an hour, a day, a month or a year, oscopt that the due to plant lying idle and carrying its burger of interest, I It is obvious, therefore, that it only rame in to obtain power at a sufficiently reasonable for to make an almost criticated industry of the Elizabe with a very reasonable investment of capital yielding annually a return many times the first cost.

The Tesla Nitrates Company owns the exclusive rights under the United States patents granted to Kit. Tesla applicable to the manufacture of nitrates from the atmosphere, which are he following:)

The Tesla Nitrates Company owns the exclusive rights

under the United States patents granted to Kit. Tesla applicable

to the manufacture of nitrates from the atmosphere, which are he following:)

The Tesla Nitrates Company owns the exclusive rights

under the United States patents granted to Kit. Tesla applicable

to the manufacture of nitrates from the atmosphere, which are he following:)

The Tesla Nitrates Company owns the exclusive rights

to the manufacture of nitrates from the atmosphere, which are he following:)

The Tesla Nitrates Company owns the exclusive rights

to the manufacture of nitrates from the atmosphere, which are he following:)

The Tesla Nitrates Company owns the exclusive rights

to the manufacture of nitrates from the atmosphere, which are he following:)

ment where

en the compercial magnitude in the immediate vicinity of New York

city, where experts and investors may see for themselves the

practical application of those inventions in a full sized unit

appearatus. In making this tout, is Toula will have at his

disposel, a plant that has elocated cost over \$800,000, a large

part of which will be immediately available. KIt is estimated that

de experies de la commentation de la commentation and partir for the very full and exhausted demonstration which it is proposed to be made living the faller inprocesses a the lege sale enlargelated. KXXX of Teste is no devoting luncity to ine & - 4 being contoled in this precluce of international reporte to the fee And my a by experience in the fixelining Ni brogen by the old rethod and is thoroughly four time cu and fish pertining to the manyweller sele of the fooduces, In the near line XX

NIKOLA TEBLA COLUMI TESLA NITRATES COMPANY Spec 165BROADWAY Tesla, New YORK 021. 13 19 -by dear he Scharff The T. Electro Therepulie and the T. Populain me he menpould hers wel. of an compount in lester or megapore is find - per thing. This were seen revolution in reclames to them scarage a depulsier this vie we have progrande your. He capers to concione en las this well and an keeping an her I work by a sight.

NIKOLA TESLA.

## TESLA NITRATES COMPANY

165BROADWAY

NEW YORK